

GEOGRAPHIC RESPONSE STRATEGIES: PART ONE – INTRODUCTION

Purpose and Scope

These Geographic Response Strategies (GRS) are designed to be a supplement to the Cook Inlet Subarea Contingency Plan for Oil and Hazardous Substances Spills and Releases, commonly referred to as the Cook Inlet Subarea Contingency Plan (Cook Inlet SCP). GRS provide response strategies for the protection of selected sensitive areas to aid first responders to an oil spill. The strategies here serve as the federal and state on-scene coordinators' "orders" during an oil spill in the area covered by this GRS. As such, they have been approved by the U.S. Coast Guard Marine Safety Office and the Alaska Department of Environmental Conservation.

Implementation of these Geographic Response Strategies is the third phase of an oil spill response. The first and primary phase of the response is to contain and remove the oil at the scene of the spill or while it is still on the open water, thereby reducing or eliminating impact on shorelines or sensitive habitats. If some of the spilled oil escapes this tactic, the second phase, which is no less important, is to intercept, contain and remove the oil in the nearshore area. The intent of phase two is the same as phase one: remove the spilled oil before it impacts sensitive environments. If phases one and two are not fully successful, phase three is to protect sensitive areas in the path of the oil. The purpose of phase three is to protect the selected sensitive areas from the impacts of a spill or to minimize that impact to the maximum extent practical.

The sites selected for development of Geographic Response Strategies are not meant to be exclusive; other sensitive sites may require protection during any given oil spill. The fact that a GRS may not have been developed for a certain sensitive site does not mean that site should not be protected if it is threatened by an oil spill.

These strategies are intended to be flexible to allow spill responders to modify them, as necessary, to fit the prevailing conditions at the time of a spill. Seasonal constraints, such as ice or weather, may preclude implementation of some of the strategies in the winter months. It is not intended that all the sites be automatically protected at the beginning of a spill, only those that are in the projected path of the spill. The strategies developed for the selected sites were completed with a focus on minimizing environmental damage, utilizing as small a footprint as needed to support the response operations and selecting sites for equipment deployment that will not cause more damage than the spilled oil. To test these GRS, each site will be visited and equipment deployed according to the strategy, to ensure that the strategy is the most effective in protecting the resources at risk at the site. Revisions will be made to the strategies, and this document, if changes are indicated by site visits, drills or actual use during spills.

The Cook Inlet Subarea Committee has divided the Subarea into seven Geographic Response Zones (Figure G-1-1). As of April 2003, strategies have been developed for the Central Cook Inlet (CCI), Northern Cook Inlet (NCI), Kachemak Bay (KB), Southwest Cook Inlet (SWCI) and Seward (SZ) zones. In the future, strategies will be developed for the remaining zones.

How to Use These Geographic Response Strategies

The information provided here supplements information provided in the Cook Inlet SCP and the Alaska Federal/State Preparedness Plan for Response to Oil & Hazardous Substances Discharge/Releases (commonly referred to as the Unified Plan). Information provided in either of those plans is not duplicated herein. This document is intended for use by response professionals already familiar with spill response techniques.

Part 2 contains a general description of the protection/recovery strategies utilized throughout the GRS. Each general description contains the strategy objective, deployment depictions, resource sets required to implement the strategy, and deployment considerations and limitations. These general strategies may be adapted to produce a protection scheme for any site in Cook Inlet.

Part 3 contains site-specific response strategies. An index at the beginning of each sub-section shows the location of the selected sites. Each GRS consists of two parts: 1) a graphic showing a map, deployment diagram, picture and implementation notes; and 2) a matrix giving the location description, response strategy, response resources, staging area, site access, natural resources being protected and special considerations.

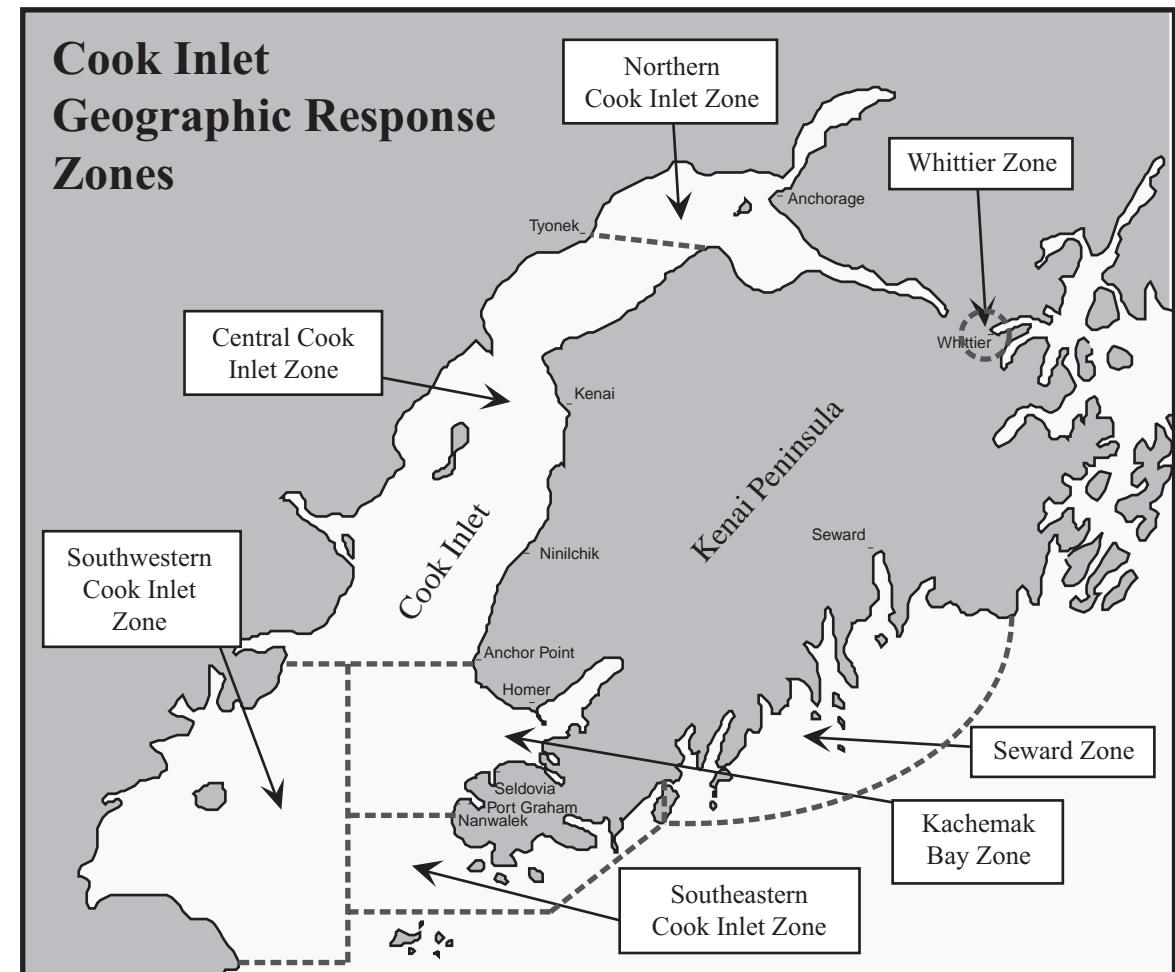


Figure G-1-1. Cook Inlet Geographic Response Zones

Who to Contact for Input

Comments and recommendations on these GRS are welcomed. Please send your comments to either of the following agencies:

Alaska Department of Environmental Conservation
Prevention and Emergency Response Program
555 Cordova Street
Anchorage, AK 99501

United States Coast Guard
Captain of the Port, Western Alaska
510 L Street
Anchorage, AK 99501

How the Document Was Developed

These GRS were developed through a cooperative, work group process involving federal, state, and local spill response experts working with representatives from the oil production and transportation industry, citizens' groups, and natural resource agencies. Work groups were (or will be) formed for each response zone in the subarea.

Work group participants identified all sensitive areas with potential to be classified as "Areas of Major Concern" under the criteria established in the Cook Inlet Subarea Plan. These potential sites were evaluated by the additional criteria of 1) risk of being impacted from a water borne spill; and 2) feasibility of successfully protecting the site with existing technology. Using this process, the work group selected a preliminary list of sites that was released for public input. Feedback on site selection was solicited from tribal representatives, user groups, environmental organizations and the general public. Based on the feedback received, the work group made the final site selections for the zone. Additional sites may be selected in the future.

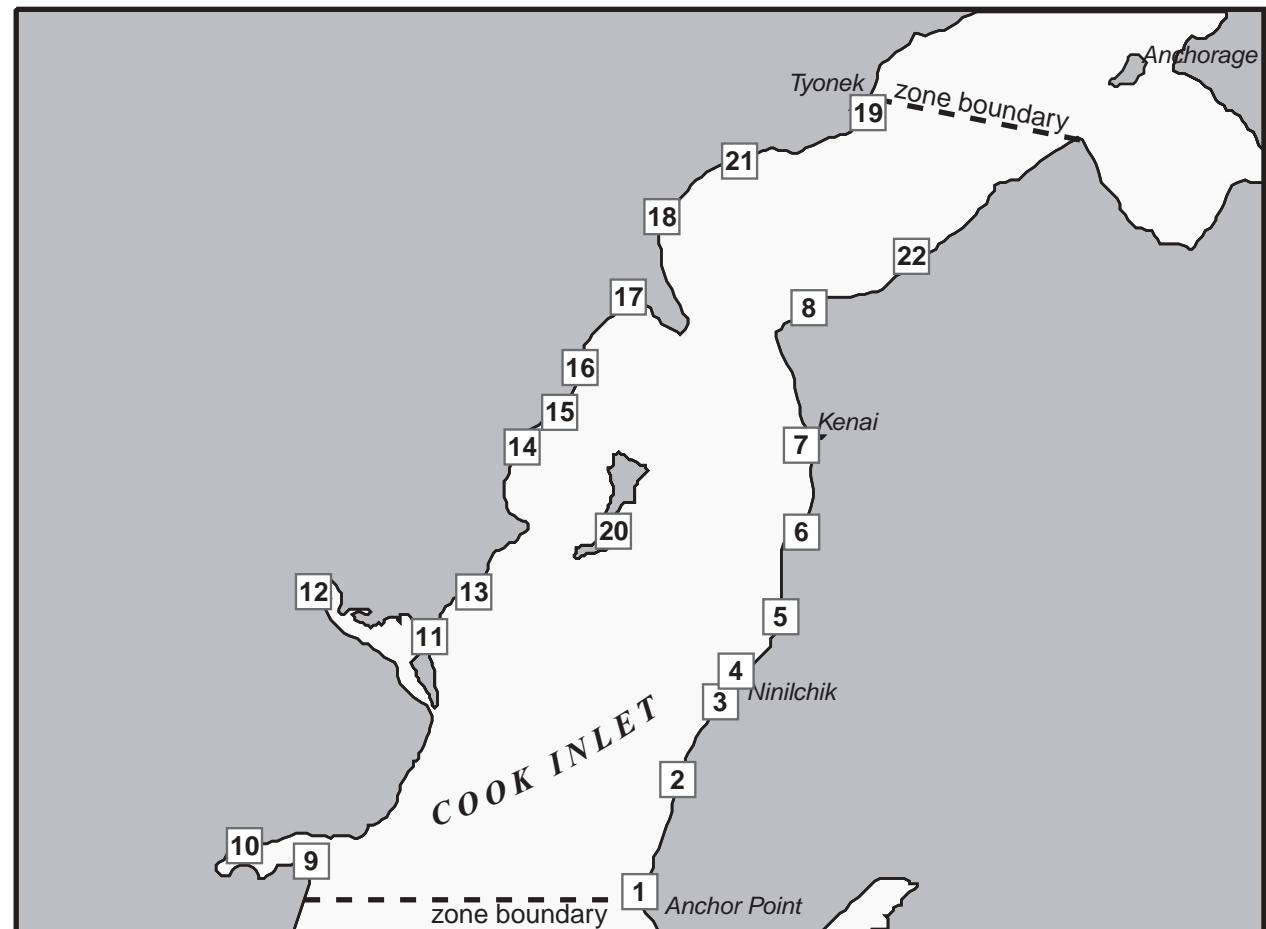
A Cook Inlet Tactics committee, composed of spill response professionals, was formed to develop draft strategies for each site selected. The draft strategies were reviewed and approved by the entire work group and the final draft was forwarded to the Cook Inlet Subarea Committee with the recommendation that it be adopted as part of the Cook Inlet SCP.

A. CENTRAL COOK INLET RESPONSE ZONE

The Central Cook Inlet Work Group consisted of representatives from the following organizations:

| | |
|--|--|
| *Alaska Department of Environmental Conservation | National Marine Fisheries Service |
| Alaska Department of Fish and Game | National Oceanic and Atmospheric Administration |
| Alaska Department of Natural Resources | National Park Service |
| Anadarko Petroleum | Ocean Shipping, Inc. |
| Chevron Shipping | Phillips Petroleum |
| Cook Inlet Pipeline Company | Prince William Sound Regional Citizens' Advisory Council |
| Cook Inlet Regional Citizens Advisory Council | *Tesoro Alaska Petroleum |
| Cook Inlet Spill Prevention and Response, Inc. | United States Coast Guard |
| Cross Timbers Operating Company | United States Department of the Interior |
| Forcenergy | United States Fish and Wildlife Service |
| *Kenai Peninsula Borough | United States Forest Service |
| Keystone Shipping | Unocal |
| Marathon Oil | Williams Alaska Petroleum |
| Minerals Management Service | * = co-chairs |

The work group developed Table G-1-1 to aid in the selection of sites from within the Central Cook Inlet Zone. The table consists of identified sites in each row with information about resources at each site that could qualify the site as an area of major concern detailed in the columns. Shaded rows in the table represent the twenty-two sites selected for initial GRS development.



| Central Cook Inlet Geographic Response Strategies | |
|---|-----------------------------|
| CCI-01 – Anchor River | CCI-12 – Tuxedni River |
| CCI-02 – Stariski Creek | CCI-13 – Polly Creek |
| CCI-03 – Deep Creek | CCI-14 – Little Jack Slough |
| CCI-04 – Ninilchik River | CCI-15 – Drift River |
| CCI-05 – Clam Gulch | CCI-16 – Big River |
| CCI-06 – Kasilof River | CCI-17 – Kustatan River |
| CCI-07 – Kenai River | CCI-18 – McArthur River |
| CCI-08 – East Foreland | CCI-19 – Chuitna River |
| CCI-09 – Gull Island | CCI-20 – Swamp Creek |
| CCI-10 – West Glacier Creek | CCI-21 – Middle River |
| CCI-11 – Crescent River | CCI-22 – Swanson River |

Figure G-1-2. Central Cook Inlet Geographic Response Strategies.

Key to Site Selection Matrix Table G-1-1.

| Marine Mammals | Anadromous Fish | Eagle Nests | Sea Otters | Intertidal Spawning | Herring Spawning | Subsistence | Cultural Resources | Sea Birds | Waterfowl and Shore Birds | High Recreational Use | Commercial Fishing | Land Mgt. Special Designations | Coastal Habitat |
|---|------------------------------------|---------------------------------------|--------------------|---------------------|------------------|--------------------|--|---|-----------------------------|-----------------------------------|-------------------------------|---|---------------------------------|
| S = Seal S>10 = Seals more than 10 Individuals | > 50 K = more than 50,000 Spawners | N = Nest Present, Agency Verification | X = May be Present | S = Spawning | S = Spawning | F = Fishing | S = Standard (REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist.) | F = Feeding Areas | C = Seasonal Concentrations | X = Heavy Recreational Use Occurs | X = Commercial Fishing Occurs | SCH = State Critical Habitat | M = Marsh |
| B = Beluga | X = Listed in Anadromous Catalog | n = Nest Present, Local Knowledge | | | | B = Birds | I = Inspection (FOSC Historic Properties Specialist should INSPECT site prior to operations.) | N = Nesting Areas | * = Spring Onshore | | | MR = Maritime Reserve | STF = Sheltered Tidal Flats |
| SL = Sea Lions | | | | | | M = Marine Mammals | I = Intertidal | M = Monitor (FOSC Historic Properties Specialist should MONITOR on-site operations) | | | | NP = National Park | SRS = Sheltered Rocky Shoreline |
| | | | | | O = Otters | | | | | | | WA = Wilderness Area | |
| | | | | | | | | | | | | GR = Game Refuge | |
| | | | | | | | | | | | | SP = State Park | |
| | | | | | | | | | | | | SRA = State Recreation Area | |
| | | | | | | | | | | | | AMSA = Areas Meriting Special Attention | |
| | | | | | | | | | | | | WSR = Wild and Scenic Rivers | |
| | | | | | | | | | | | | WF = Wildlife Refuge | |
| | | | | | | | | | | | | ANCSA = ANSCA Conveyed Lands | |
| | | | | | | | | | | | | CT = conveyed Tidelands | |
| | | | | | | | | | | | | TL = Tideland Leases, Permits and Right-of-Ways | |

Trustee agencies and data source.

| | | | | | | | | | | | | | |
|-------------|-------|------------|-------|-------|-------|-------|------|-------------|-------------|------|-------|--|------|
| NMFS, ADF&G | ADF&G | FWS, ADF&G | USFWS | ADF&G | ADF&G | ADF&G | ADNR | UFWS, ADF&G | UFWS, ADF&G | ADNR | ADF&G | ADNR, NPS, ADF&G, Municipalities, Tribal Organizations | NOAA |
|-------------|-------|------------|-------|-------|-------|-------|------|-------------|-------------|------|-------|--|------|

NOTE: Table G-1-1 was developed for GRS site selection in the summer of 1999. It is not intended to be kept current within this document. Not all land management special designations are identified in the table.

Table G-1-1. Site selection table for the Central Cook Inlet Geographic Response Zone.

 Shaded rows in the table represent the twenty two sites selected for GRS development.

| Location | Lat. N | Lon. W | Marine Mammals | Anadrom- ous Fish | Eagle Nests | Sea Otters | Intertidal Spawning | Herring Spawning | Subsistence | Cultural Resources | Sea Birds | Waterfowl and Shore Birds | High Recreational Use | Commercial Fishing | Land Mgt. Special Designations | Coastal Habitat |
|---|-----------|-----------|-------------------|----------------------|----------------|---------------|------------------------|---------------------|-------------|-----------------------|-----------|---------------------------------|-----------------------------|-----------------------|--------------------------------------|--------------------|
| East Side | | | | | | | | | | | | | | | | |
| Anchor River | 59° 47 | 151° 52 | | X | N | | | | F | I | F | | X | SCH | M | |
| Stariski Creek | 59° 52 | 151° 48 | | X | N | | | | | S | | C | X | | M | |
| Deep Creek | 60° 02 | 151° 42 | | X | N | | | | | S | F | | X | | M | |
| Nimilchik River | 60° 03 | 151° 40 | | X | N | | S | | | S | F | | X | | M | |
| Clam Gulch | 60° 14 | 151° 24 | | | N | | | | | S | | | X | SCH | | |
| Kasilof River | 60° 24 | 151° 19 | | >50K | N | | S | | F | I | | C | X | | M | |
| Kenai River | 60° 33 | 151° 16 | B, S>10 | >50K | N | | S | | F | S | | C | | | M | |
| East Forelands | 60° 44 | 151° 25 | | | N | | | | | S | | * | | | | |
| Nikiski Bay | 60° 45 | 151° 19 | B | | N | | | | | | | * | | | | |
| Bishop Creek | 60° 46 | 151° 04 | | X | N | | | | | | | C | | | M | |
| Swanson River | 60° 48 | 151° 01 | | X | N | | S | | | I | | C | X | SP | M | |
| Leaf Creek | 60° 50 | 150° 55 | | | N | | | | | | | | | | | |
| Otter Creek | 60° 52 | 151° 52 | | X | N | | | | | | | C | | | M | |
| Moose Point | 60° 57 | 150° 41 | B | | N | | | | | | | | | | M | |
| Nearshore, Tidalflats and Beaches; Anchor Point to Possession Point | | | | | | | | | | | | | X | | | |
| West Side | | | | | | | | | | | | | | | | |
| Gull Island | 59° 50 | 152° 59 | S>10 | | X | | | | | S | N | | | WF | | |
| Chinitna Bay | 59° 51 | 152° 60 | B, S | | N | X | S | S | | | | C | | M, STF | | |
| Fitz Creek | 59° 48 | 153° 09 | | X | | X | | | | | | | | M, STF | | |
| West Glacier Creek | 59° 51 | 153° 12 | | X | N | X | S | | | S | | C | | M, STF | | |
| Middle Glacier Creek | 59° 52 | 153° 09 | | | | X | | | | | | C | | M, STF | | |
| East Glacier Creek | 59° 53 | 152° 54 | | X | | X | | | | | | | | | | |
| Shelter Creek | 59° 53 | 152° 48 | | X | N | X | | | | | | | | | M | |
| Red River | 59° 56 | 152° 42 | | | | X | | | | | | | | | M | |
| Johnson River | 60° 01 | 152° 42 | | X | N | X | | | | | | | | | M, STF | |
| Chisik Island | 60° 08 | 152° 35 | | | | X | | | | | N | | | MR | STF | |
| Tuxedni Bay | 60° 12 | 152° 43 | B, S>10 | | | | S | S | | | | C | | NP/WA | M, STF, SRS | |
| Crescent River | 60° 13 | 152° 34 | B, S | >50K | N | | S | | I | S | | * | | NP | M | |
| Tuxedni River | 60° 15 | 152° 54 | S>10 | X | N | | S | | | M | | C | | NP | M, STF, SRS | |

Table G-1-1 continued. Site selection table for the Central Cook Inlet Geographic Response Zone .

 Shaded rows in the table represent the twenty two sites selected for GRS development.

| Location | Lat. N | Lon. W | Marine Mammals | Anadrom- ous Fish | Eagle Nests | Sea Otters | Intertidal Spawning | Herring Spawning | Subsistence | Cultural Resources | Sea Birds | Waterfowl and Shore Birds | High Recreational Use | Commercial Fishing | Land Mgt. Special Designations | Coastal Habitat |
|---|-----------|-----------|-------------------|----------------------|----------------|---------------|------------------------|---------------------|-------------|-----------------------|-----------|---------------------------------|-----------------------------|-----------------------|--------------------------------------|--------------------|
| Polly Creek | 60° 17 | 152° 27 | | X | | | S | | I | I | | * | X | X | NP | M |
| Harriet Point | 60° 24 | 152° 15 | S | | | | | | I, M | | | * | | | | |
| Redoubt Bay | 60° 29 | 152° 14 | B | | N | | | | | | | C | | | SCH | M, STF |
| Little Jack Slough | 60° 32 | 152° 16 | S>10 | X | N | | | | I, M | S | | C | | | NP | M |
| Drift River | 60° 36 | 152° 07 | B | X | N | | | | I, M | S | | C | | | SCH | M, STF |
| Seal River | 60° 39 | 152° 03 | | X | N | | | | M | | | C | | | SCH | M, STF |
| Big River | 60° 40 | 152° 02 | B, S>10 | X | | | S | | M | S | | C | | | SCH | M, STF |
| Bachatna Creek | 60° 43 | 151° 58 | S>10 | X | | | | | M | | | C | | | SCH | M, STF |
| Johnson Slough | 60° 43 | 151° 55 | B, S>10 | X | | | | | M | | | C | | | SCH | M, STF |
| Seal Slough | 60° 43 | 151° 53 | S | | | | | | M | | | C | | | SCH | M, STF |
| Kustatan River | 60° 44 | 151° 50 | B, S | X | N | | S | | M | S | | C | | | GR | M, STF |
| West Foreland | 60° 44 | 151° 42 | S | | N | | | | M | | | | | | | STF |
| Trading Bay | 60° 52 | 151° 36 | B | | N | | | | I, M, B | | | C | | | GR | M, STF |
| McArthur River | 60° 55 | 151° 43 | B | X | N | | S | | F, M, B | S | | C | | | SCH/GR | M, STF |
| Cottonwood Slough | 60° 57 | 151° 38 | | | N | | | | M, B | | | C | | | GR | M, STF |
| Middle River | 60° 59 | 151° 36 | | X | N | | | | F, M, B | S | | C | | | GR | M, STF |
| Nikolai Creek | 61° 00 | 151° 29 | | X | N | | S | | F, M, B | | | C | | | | M, STF |
| Old Tyonek Creek | 61° 02 | 115° 18 | | X | N | | | | F, M | | | C | | | | M, STF |
| Tyonek Creek | 61° 02 | 151° 12 | B | X | N | | | | F, M | | | C | | | | M |
| Indian Creek | 61° 04 | 151° 08 | | X | | | S | | F, M | | | C | | | | M |
| Chuitna River | 61° 06 | 151° 07 | B | X | N | | S | | F, M, B | I | | C | | | | M |
| Nearshore, Tidalflats and Beaches: Crescent River to Tyonek | | | | | | | | | | | | | | X | | |
| Kalgin Island | | | | | | | | | | | | | | | | |
| Kalgin Island | 60° 26 | 151° 57 | B, S | | | | | | | | | C | | | SCH | M, STF |
| Packers Creek | 60° 26 | 151° 54 | | X | | | S | | | | | | | | SCH | |
| Swamp Creek | 60° 24 | 151° 59 | B | | | | | | | S | | C | | | SCH | M |
| Oldman's Bay | 60° 23 | 152° 01 | | | | | | | | | | C | | | SCH | |
| Nearshore, Tidalflats and Beaches: Kalgin Island | | | | | | | | | | | | | | X | | |

B. KACHEMAK BAY RESPONSE ZONE

The Kachemak Bay Work group consisted of representatives from the following organizations:

| | |
|--|--|
| Alaska Chadux Corporation | National Marine Fisheries Service |
| *Alaska Department of Environmental Conservation | Ocean Ship Holdings |
| Alaska Department of Fish and Game | Olsen Enterprises, Inc. |
| Alaska Department of Natural Resources | Petro Marine |
| Anadarko Petroleum | Port Graham Village Council |
| Chevron Shipping | Prince William Sound Regional Citizens' Advisory Council |
| City of Homer | Sea Coast Towing, Inc. |
| City of Seldovia | Seldovia Village Tribe |
| Cook Inlet Keeper | Shellfish Growers |
| Cook Inlet Pipeline Company | SOS Team, Seldovia |
| Cook Inlet Regional Citizens Advisory Council | *Tesoro Alaska Petroleum |
| Cook Inlet Spill Prevention and Response, Inc. | United States Coast Guard |
| Crowley Marine Services | United States Department of the Interior |
| Kachemak Bay Research Reserve | United States Fish and Wildlife Service |
| Kenai Peninsula Borough | Unocal |
| Nanwalek Village Council | Williams Alaska Petroleum |
| Newport Petroleum | Yukon Fuel/Yutana Barge Lines |
| National Oceanic and Atmospheric Administration | * = co-chairs |

The work group developed Table G-1-2 to aid in the selection of sites from within the Kachemak Bay Zone. The table consists of identified sites in each row with information about resources at each site that could qualify the site as an area of major concern detailed in the columns. Shaded cells in the table represent the items that meet criteria for selection as Most Sensitive Area in the Sub Area Contingency Plan. These sites will be considered for initial GRS development.



Figure G-1-3. Kachemak Bay Geographic Response Strategies.

KEY TO TABLE G-1-2.

| Location | Lat. N | Lon. W | Marine Mammals | Fish | Birds | Coastal Habitat | Subsistence | Cultural Resources | Recreational Use | Commercial Fish Aquaculture | Land Mgt. Special Designations |
|-----------------------------|-----------|-----------|---|--|--|--|---|---|---|--|-----------------------------------|
| Key to Site Selection Table | | | O = Sea Otter H = Harbor Seal SL = Sea Lion | P = Pink Salmon CO = Coho Salmon Ch = Chum Salmon DV = Dolly Varden Char I = Intertidal Spawning H = Herring spawning S = Sockeye Salmon | En = Eagle nest SBf = Sea Bird feeding area SBn = Sea Bird nesting WFc = Waterfowl or Shore Bird concentration area WFs = Waterfowl or Shore Bird Spring Onshore | M = Marsh SRS = Sheltered Rocky Shoreline K = High Density Kelp Beds | F = Fish B = Birds I = Intertidal M = Marine Mammals O = Otters | SF = Sport Fishing CS = Camp Site TH = Trail Head | C = Commercial Fishing A = Aquaculture Sites H = Hatchery HC = High Use Commercial Fishing | TL = Tidelands leases permits and right-of-ways CT = Conveyed Tidelands SP = State Park BO = Kenai Borough Ordinance 218-2 CH = Critical Habitat | |

| | | | | | | | | | | | |
|--------------------|--|--|---------------------|------|-------------|------|------|------|------|------|---|
| Responsible Agency | | | NMFS, ADFG, USFW | ADFG | USFW, ADFG, | NOAA | ADFG | ADNR | ADNR | ADFG | ADNR, NPS, ADFG, Municipalities, Tribal Organizations |
|--------------------|--|--|---------------------|------|-------------|------|------|------|------|------|---|

NOTE: Table G-1-2 was developed for GRS site selection in the fall of 2001. It is not intended to be kept current within this document. Not all land management special designations are identified in the table.

Table G-1-2. Site selection table for the Kachemak Bay Geographic Response Zone.



Shaded cells meet criteria for selection as Most Sensitive Area in SCP.

| Location | Priority | Lat. N | Lon. W | Marine Mammals | Fish | Birds | Coastal Habitat | Subsistence | Cultural Resources | Recreational Use | Commercial Fish Aquaculture | Land Mgt. Special Designations |
|----------------------------------|----------|-----------|-----------|-------------------|---------------------------|-------------------|--------------------|-------------|-----------------------|---------------------|--------------------------------|-----------------------------------|
| Multnaia Gulch | | 59° 43.5 | 151° 49.9 | | H | SBf, WFc | K | | | | | CH |
| Diamond Gulch | | 59° 40.2 | 151° 42.4 | | H | SBf, WFc | K | | | | | SP, CH |
| Homer Harbor | | 59° 36.2 | 151° 24.9 | | H | SBf, WFc | | | SF | | | CT, TL, CH |
| Beluga Slough/Mariners Park | H | 59° 38.2 | 151° 31.1 | | | SBf, WFc | M | R | | | | CT, CH |
| Fishing Hole | | 59° 36.6 | 151° 26.2 | | | SBf, WFc | | | SF | | | CT, CH |
| Coal Bay Flats | | 59° 38.0 | 151° 27.7 | | H | SBf, WFc | | | SF | | | CT, TL, CH |
| Mud Bay | | 59° 38.0 | 151° 29.1 | | H | SBf, WFc | | | SF | | | CT, TL, CH |
| Millers Landing | | 59° 39.8 | 151° 26.2 | | H | SBf, WFc | | | SF | | | CT, TL, CH |
| Fritz Creek | | 59° 40.8 | 151° 22.3 | | P, I, H | SBf, WFc | | | | | | CH |
| McNeil Canyon | | 59° 43.0 | 151° 14.7 | | | En, SBf, WFc | | | | | | CH |
| Cottonwood Creek | | 59° 44.0 | 151° 12.1 | | | SBf, WFc | | | | | | CH |
| Eastland Creek | | 59° 45.3 | 151° 09.8 | | | SBf, WFc | | | | | | CH |
| Falls Creek | | 59° 46.1 | 151° 08.1 | | | En, SBf, WFc | | | | | | CH |
| Swift Creek | | 59° 47.1 | 151° 04.7 | H>10 | | SBf, WFs | | | | | | CH |
| Fox Creek | | 59° 47.2 | 151° 04.7 | H>10 | CO, S, DV | En, WFs | M | | | | | CH |
| Fox River | | 59° 48.8 | 150° 58.8 | H>10 | K, CO, P, CH, S, DV, I | SBn=16, WFs | M | | | | | CH, BO |
| Bradley River | | 59° 47.5 | 150° 55.8 | H>10 | K, CH, S, CO, P, DV, I | WFs | M | | | C | | TL, CH |
| Battle Creek | | 59° 45.9 | 150° 58.6 | H>10 | CO, DV, S | En, WFs | M | | | C | | TL, CH |
| Martin River | | 59° 45.8 | 150° 59.7 | H>10 | CH, P, S, DV, I | WFs | | | | C | | CH |
| Chugachik Island | | 59° 44.7 | 151° 02.8 | H>10 | H | En, SBf, WFs | SRS | | | C | | CH |
| Bear Cove | | 59° 43.7 | 151° 03.1 | H>10, O | H | En, SBf, WFc | SRS | | | A, C | | CH |
| B. C. Mariculture | | 59° 43.7 | 151° 03.1 | O | H | | | | | A, C | | CH |
| Bear Island | | 59° 43.7 | 151° 03.9 | H>10, O | H | En, SBf, WFc | SRS | | | C | | TL, CH, SP |
| Aurora Lagoon | | 59° 41.9 | 151° 06.3 | O | H, CO, P, DV, I, H | SBf, WFs | M, SRS | | | C | | CH, SP |
| Unnamed Stream | | 59° 41.0 | 151° 07.1 | O | H, CO | SBf, WFs | | | | C | | CH, SP |
| Mallard Bay | | 59° 40.3 | 151° 07.1 | H>10, O | H | SBf, WFs, SBn | M, SRS | | | C | | CH, SP |
| Humpy Creek | H | 59° 39.7 | 151° 09.6 | O | P>46, K, CO, CH, I, H, CO | SBf, WFs | | I | SF | C | | CH, SP |
| Grewingk Creek | | 59° 39.2 | 151° 10.7 | O | H | SBf, WFs | M | | | C | | CH, SP |
| Glacier Spit | | 59° 38.6 | 151° 12.3 | O | H | SBf, WFs | | | SF | HC | | CH, SP |
| Halibut Cove/Halibut Cove Lagoon | H | 59° 35.7 | 151° 12.4 | O | P, I, CO | En, SBf, WFs, WFc | M, SRS | M | SF, CS, TH | A, HC | | CT, TL, CH, SP |
| Peterson Bay | H | 59° 34.7 | 151° 17.2 | O | H | En, SBf, WFc | M, SRS, K | M | | A, HC | | TL, CH, SP |
| Gull Island | | 59° 35.1 | 151° 19.7 | O | | SBn=17455, WFc | | | SF | C | | CH, SP |

Table G-1-2 continued. Site selection table for the Kachemak Bay Geographic Response Zone.



Shaded cells meet criteria for selection as Most Sensitive Area in SCP.

| Location | Priority | Lat. N | Lon. W | Marine Mammals | Fish | Birds | Coastal Habitat | Subsistence | Cultural Resources | Recreational Use | Commercial Fish Aquaculture | Land Mgt. Special Designations |
|-------------------------------|----------|-----------|-----------|-------------------|-----------------------|---------------|--------------------|-------------|-----------------------|---------------------|--------------------------------|-----------------------------------|
| China Poot Bay | H | 59° 34.6 | 151° 20.1 | H>10, O | P>5, I, CO, DV | SBf, WFs | M, SRS, K | | I | SF, TH | HC | CH, SP |
| McKeon Flats Marsh | | 59° 32.6 | 151° 22.9 | O | P, CH, I, DV | En, SBf, WFs | M, K | | | | C | CH, SP |
| Neptune Bay | H | 59° 32.8 | 151° 23.7 | O | | En, SBf, WFs | M, SRS, K | | I | | HC | CH, SP |
| Sixty Foot Rock | | 59° 33.0 | 151° 28.0 | O | | SBn=891, WFc | | | | | C | CH, SP |
| Cohen Island | | 59° 32.4 | 151° 28.4 | H, O | | SBf, WFc | K | | | | C | CH, SP |
| Yukon Island West | H | 59° 31.3 | 151° 30.6 | H, O | H | SBn, SBf, WFc | K | | M | | C | CH, SP |
| Hesketh Island | | 59° 30.4 | 151° 31.2 | O | H | SBf, WFc | K | | | | C | CH, SP |
| Sadie Cove | H | 59° 29.8 | 151° 24.5 | O | P, CH, I, H | WFc | M, SRS | | M | SF | C | CH, SP |
| Grass Island | | 59° 29.9 | 151° 29.6 | O | H | SBn=14, WFc | | | | | C | CH, SP |
| Herring Islands | | 59° 28.9 | 151° 31.0 | O | H | En, WFc, SBf | K | | | | C | CH, SP |
| Tutka Bay | | 59° 28.5 | 151° 27.5 | O | H | En, SBf, WFc | | | | SF | HC | CH, SP |
| Tutka Bay Lagoon | H | 59° 26.6 | 151° 24.7 | O | P, CH, CO, I | SBf, WFc | M, SRS | | R | SF | H, HC | CH, SP |
| Head of Tutka | | 59° 24.9 | 151° 17.8 | O | P, CH, CO, I | SBf, WFc | M, SRS | | | SF | HC | CH, SP |
| Little Tutka Bay | H | 59° 28.3 | 151° 29.4 | O | H | SBf, WFc | SRS | | R | | C | CH, SP |
| Bootleggers Cove | | 59° 28.4 | 151° 30.9 | O | | SBf, WFc | SRS | | | | C | CH, SP |
| Bootleggers Cove Mariculture | | 59° 28.4 | 151° 30.9 | O | | | | | | | C | CH, SP |
| Jakalof Bay | H | 59° 28.0 | 151° 31.3 | O | P, CH, I, H, CO | En, SBf, WFc | SRS | | I | SF | A, | CH |
| Kasitsna Bay | H | 59° 28.9 | 151° 33.9 | O | H | SBf, WFc | SRS | | I | SF | HC | CH |
| Barabara Creek | H | 59° 29.1 | 151° 38.5 | O | P>10, Ch, I | SBf, WFc | K | | I | | HC | CH |
| Seldovia Outside Beach | H | 59° 27.7 | 151° 43.2 | O | H | SBf, WFc | M | | R | SF | | CH |
| Seldovia Harbor/Slough | H | 59° 26.6 | 151° 42.7 | O | P, CH, I | SBf, WFc, SBn | M, SRS | | R | SF | | CH |
| Head of Seldovia Bay/River | H | 59° 24.6 | 151° 42.3 | O | CO, P>34, CH,DV, I, H | SBf, WFc, SBn | M, SRS | F,B,I,M,O | I | SF | | CH, BO |
| Hoen's Lagoon | H | 59° 26.6 | 151° 44.0 | O | | SBf, WFc | M,SRS, K | | I | | | CH |
| Fourth of July Creek | H | 59° 26.3 | 151° 48.0 | | P, I | | | | R | | | |
| Pt. Pogibshi | | 59° 25.5 | 151° 53.2 | O | H | SBf, WFc | K | | | | C | AM, CH |
| Bird Reef | | 59° 23.3 | 151° 55.1 | O | | SBf, WFc | K | | | | C | AM |
| Passage Island/Johnson Slough | H | 59° 22.4 | 151° 43.9 | O | H | SBf, WFc | M, SRS, K | F,B,I,M,O | I | | C | AM |
| Port Graham Bay | H | 59° 20.5 | 151° 47.6 | O | CO, P, CH, DV, I | SBf, WFc | M, SRS | F,B,I,M,O | R | SF | C | AM |
| English Bay Lagoon | H | 59° 21.1 | 151° 56.2 | O | CO, P, S, DV, I | SBf, WFc | M, SRS, K | F,B,I,M,O | R | | | AM, BO |
| Flat Island | | 59° 19.8 | 151° 59.6 | SL, O | | SBn=3778, WFc | K | | | | C | AM |

C. NORTHERN COOK INLET RESPONSE ZONE

The Northern Cook Inlet Work Group consisted of representatives from the following organizations:

Alaska Department of Environmental Conservation
Alaska Department of Fish & Game
Alaska Department of Natural Resources
Alaska Chadux Corporation
Chevron Corp.
Cook Inlet Regional Citizens Advisory Council
Cook Inlet Spill Prevention and Response, Inc.
Crowley Marine Services
National Marine Fisheries Service
National Oceanic & Atmospheric Administration
Signature Flight Support
U.S. Coast Guard
U.S. Department of the Interior
U.S. Fish & Wildlife Service
Williams Energy Services

The work group initially convened to focus on addressing the difficulties faced when responding to spills on mud flats, a common shoreline feature in Cook Inlet. After some deliberation, the work group decided to create geographic response strategies for two locations that both exhibited mud flat topography and a higher risk of spill contamination. The two sites selected are near the port of the Municipality of Anchorage. By developing the GRS, the work group created a tactical system for addressing spill impacts to mud flats. These results can be found as a specific tactic in Part Two: General Protection/Recovery Strategies.

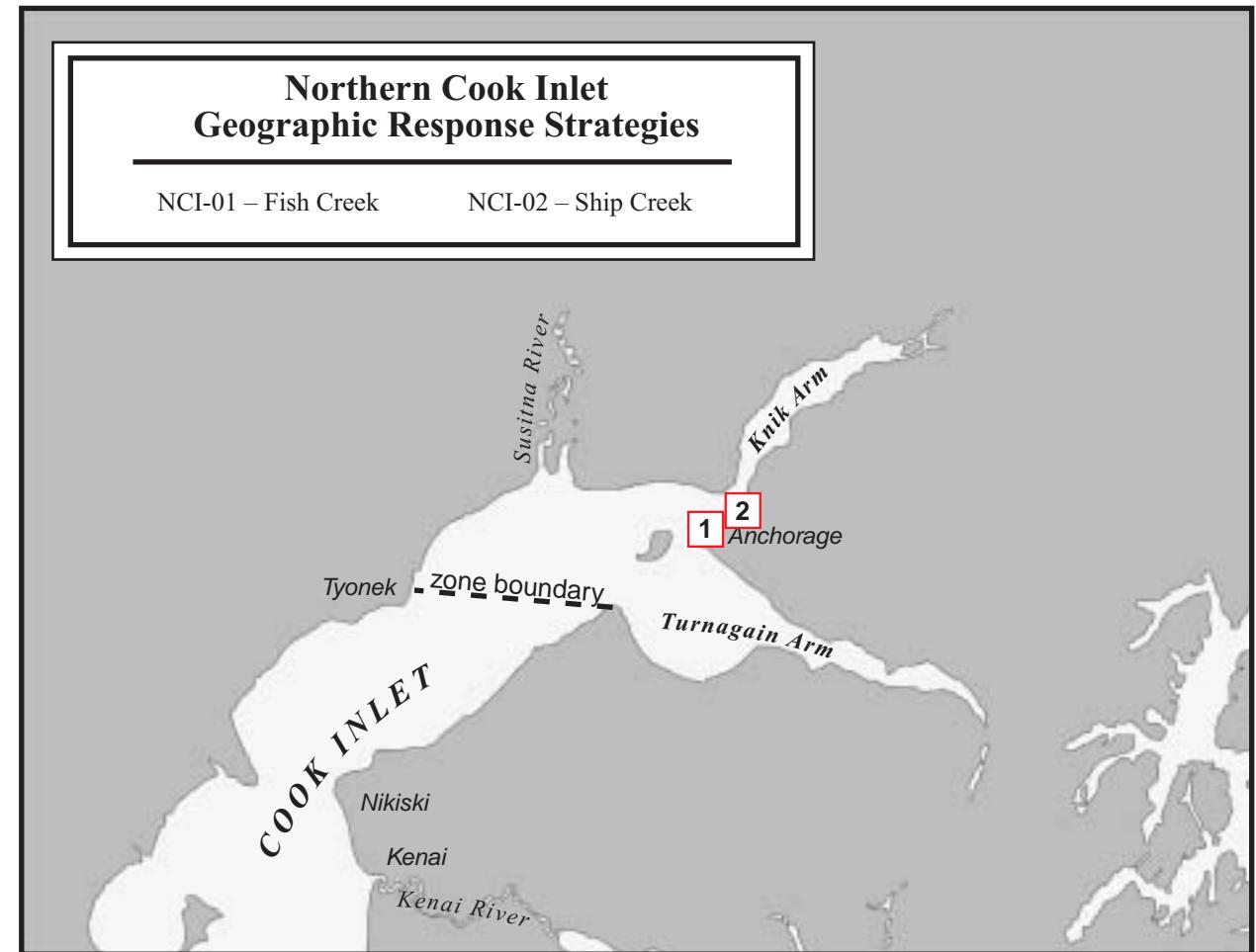


Figure G-1-4. Northern Cook Inlet Geographic Response Strategies.

D. Seward Response Zone

The Seward Zone Working Group consisted of representatives from the following organizations:

Alaska Chadux Company
 *Alaska Department of Environmental Conservation
 Alaska Department of Fish and Game
 Alaska Department of Natural Resources
 Alaska Tanker Company
 Alyeska Pipeline Service Company/
 Ship Escort and Vessel Response Service
 ChevronTexaco
 City of Seward
 Cook Inlet Regional Citizens Advisory Council
 Cook Inlet Spill Prevention and Response, Inc.
 Kenai Fjord National Park
 Kenai Peninsula Borough
 National Marine Fisheries Service
 National Oceanic and Atmospheric Administration
 Polar Tanker Company
 Port Graham Village Council
 Prince William Sound Regional Citizens' Advisory Council
 SeaRiver Maritime
 *Tesoro Alaska Petroleum
 United States Coast Guard
 United States Department of Agriculture –
 United States Forest Service – Chugach National Forest
 United States Department of the Interior
 United States Environmental Protection Agency
 United States Fish and Wildlife Service –
 Ecological Services Field Office
 * = co-chairs

The working group developed Table G-1-3 to aid in the selection of sites from within the Seward Zone. The table consists of identified sites in each row with information about resources at each site that could qualify the site as an area of major concern detailed in the columns. The first twenty-nine rows in the table represent the sites selected for initial GRS development.

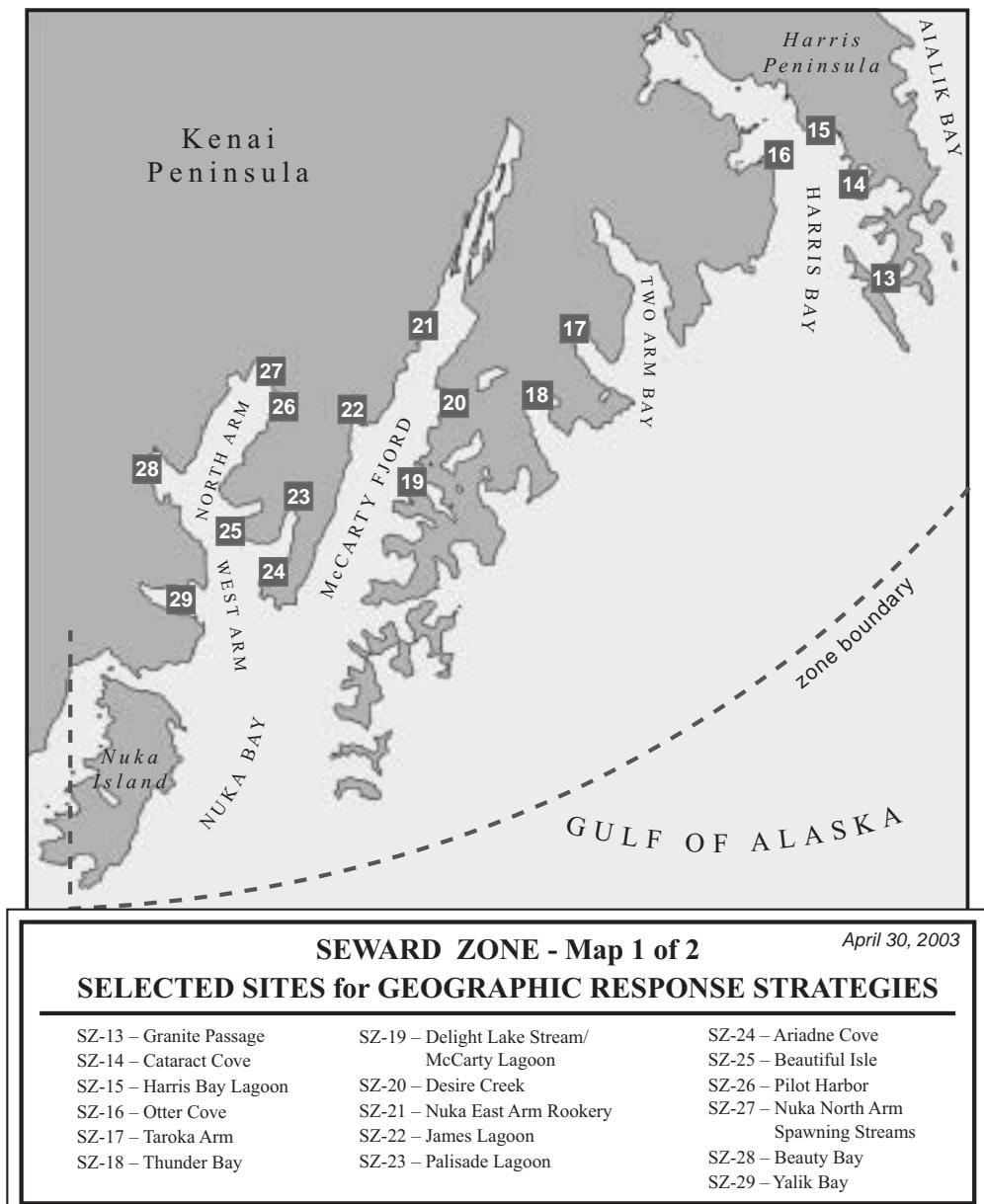


Figure G-1-5. Seward Geographic Response Strategies, Map 1.

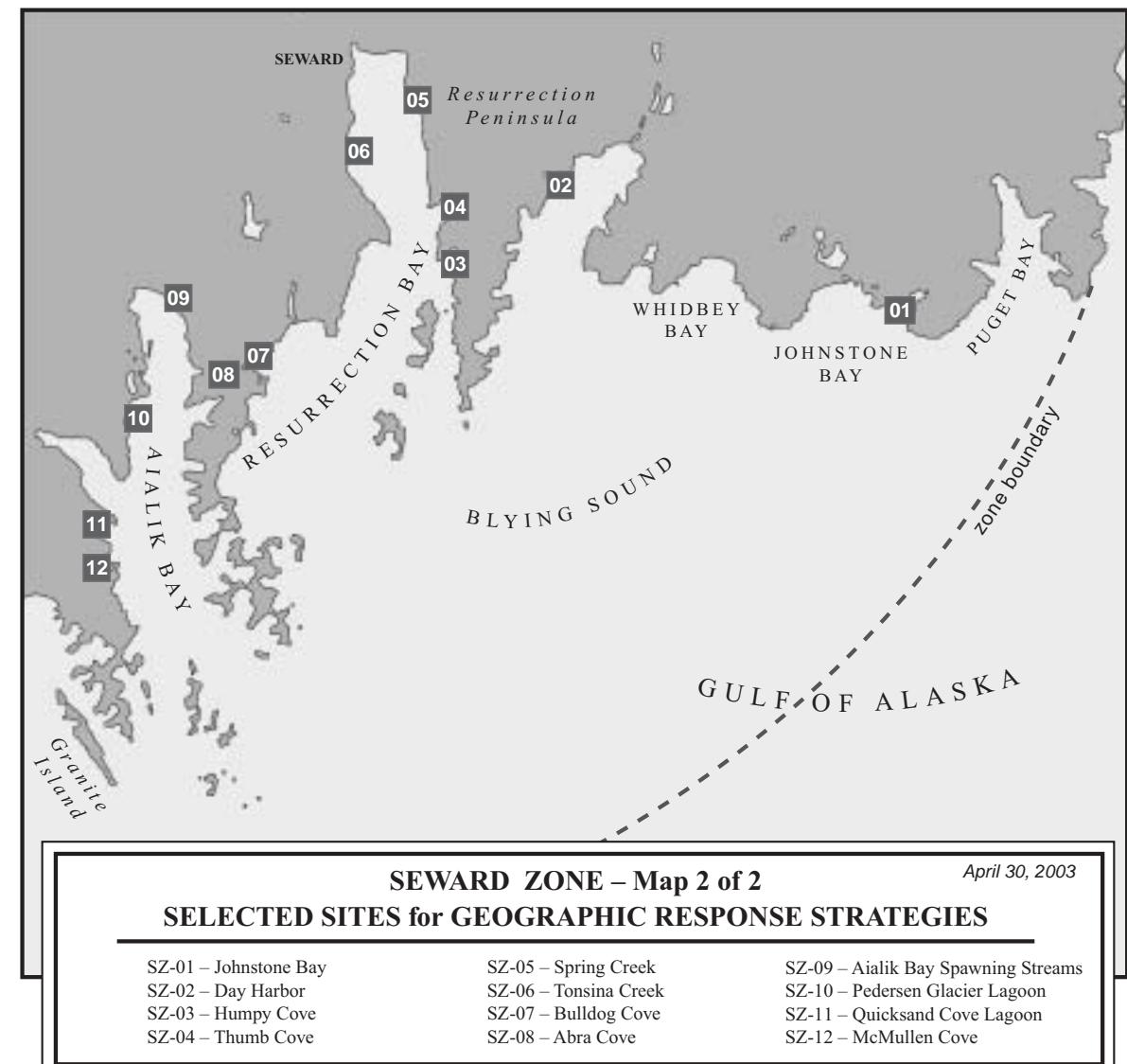


Figure G-1-6. Seward Geographic Response Strategies, Map 2.

Key to Site Selection Matrix Table G-1-3

| Location | Lat. N | Lon. W | Marine Mammals | Fish | Subsistence | Cultural Resources | Birds | Recreational Use | Commercial Fish Aquaculture | Land Mgt. Special Designations | Coastal Habitat |
|-----------------------------|-------------------|-------------------|---|--|---|--|---|--|---|--|--|
| Key to Site Selection Table | | | O = Sea Otter S = Harbor Seal SL = Sea Lion | K = King Salmon P = Pink Salmon *CO = Coho Salmon Ch = Chum Salmon DV = Dolly Varden Char I = Intertidal Spawning H = Herring spawning S = Sockeye Salmon | F = Fish B = Birds I = Intertidal M = Marine Mammals O = Otters | R=Report any cultural resources found during operations to the FOSC Historic Properties Specialist. I=FOSC Historic Properties Specialist should Inspect site prior to operation. M= FOSC Historic Properties Specialist should Monitor on-site operation. | En = Eagle nest SBf = Sea Bird feeding area SBn = Sea Bird nesting *WFC = Waterfowl or Shore Bird concentration area WFs = Waterfowl or Shore Bird Spring Onshore | SF = Sport Fishing C = Camp Site TH = Trail Head K = Kayak Beach A = Anchorage | C = Commercial Fishing A = Aquaculture Sites H = Hatchery HC = High Use Commercial Fishing | TL = Tidelands leases permits and right-of-ways CT = Conveyed Tidelands SP = State Park BO = Kenai Borough Ordance 218-2 CH = Critical Habitat | M = Marsh SRS = Sheltered Rocky Shoreline K = High Density Kelp Beds ETF = Exposed Tidal Flat |

| | | | | | | | | | | | |
|--------------------|--|--|------------------|------|------|------|-------------|------|------|---|------|
| Responsible Agency | | | NMFS, ADFG, USFW | ADFG | ADFG | ADNR | USFW, ADFG, | ADNR | ADFG | ADNR, NPS, ADFG, Municipalities, Tribal Organizations | NOAA |
|--------------------|--|--|------------------|------|------|------|-------------|------|------|---|------|

NOTE: The table was developed for GRS site selection in the fall of 2001. Not all land management special designations are identified in the table.

* H, M, L, = high, moderate, lesser concern based upon numbers of seabirds/salmon surveyed.

Salmon prioritization scheme from Cook Inlet Subarea Contingency Plan:

| Category | Least | Medium | Most |
|-------------------|---|---|---|
| ABUNDANCE | < 4,000 sockeye < 5,000 pink < 5,000 chum < 500 coho | 4,000 - 25,000 sockeye 5,000 - 30,000 pink 5,000 - 10,000 chum < 1,000 chinook 500-2,500 coho | > 25,000 sockeye > 30,000 pink > 10,000 chum > 1,000 chinook > 2,500 coho |
| Species diversity | 1 | 2-3 | 4-5 |

Seabird colony prioritization from Cook Inlet Subarea Contingency Plan:

| Category | Least | Medium | Most |
|-----------------|--------------|---------------|-------------|
| ABUNDANCE | < 1,000 | 1,000 - 5,000 | > 5,000 |

Table G-1-3. Site selection table for the Seward Geographic Response Zone.

| GRS # | Location | Priority | Lat. N | Lon. W | Marine Mammals | Fish | Subsistence | Cultural Resources | Birds | High Recreational Use | Commercial Fishing | Land Mgt. Special Designations | Coastal Habitat |
|-------|------------------------------------|----------|---------|----------|----------------|--|-------------|--------------------|---------------------|-----------------------|--------------------|--------------------------------|-----------------|
| SZ-01 | Johnstone Bay | H | 59 56.3 | 148 40.0 | S>10, O | P, CH, CO, S, DV, I, H | | R | SBf, EN | SF | | | M |
| SZ-02 | Day Harbor | H | 60 01.7 | 149 09.6 | S>10, O | P, CH, I, H | | R | | | A,HC | | M, SRS |
| SZ-03 | Humpy Cove | H | 59 58.1 | 149 18.3 | | P, H, I, H | | R | | C, K | A | | M, SRS |
| SZ-04 | Thumb Cove | H | 60 00.6 | 149 18.1 | S, O | P, I, H | | R | SBf, WFc | SF | HC | SMP, SU | SRSTF |
| SZ-05 | Spring Creek | H | 60 05.1 | 149 21.3 | S, O | S, P, CH, CO, DV, I, H | | R | WFc, SBc | SF, C, K | HC | SU | STF, M |
| SZ-06 | Tonsina Creek | H | 60 02.8 | 149 26.2 | O | P, CH, I, H, DV | | R | EN | SF, C, TH | HC | SU, SP | M |
| SZ-07 | Bulldog Cove | H | 59 53.3 | 149 31.0 | S>10, O | P, I, H, DV | | R | SBn <1,000, EN | SF, C, K | | SU | M |
| SZ-08 | Abra Cove | H | 59 53.7 | 149 39.8 | O | P, H | | R | SBn, SBf, EN, WFs | C | | | SRS |
| SZ-09 | Aialik Bay Spawning Streams | H | 59 56.6 | 149 41.1 | S>10, O | P>5000, I, H | | R | WFc, SBf | | HC | SU | |
| SZ-10 | Pedersen Glacier Lagoon | H | 59 53.7 | 149 44.5 | S>10, O | P, CH, CO, DV, I, H,S | | I | WFc,SBc | C, A | | SU | M, STF |
| SZ-11 | Quicksand Cove Lagoon | H | 59 47.0 | 149 45.8 | | P, CH, I, H | | R | WFc, SBf, SBn, EN | C | | | M |
| SZ-12 | McMullen Cove | H | 59 45.8 | 149 46.9 | S,O | H | | R | | | A | | |
| SZ-13 | Granite Passage | H | 59 39.4 | 149 47.8 | W,O | H | | R | SBf, EN | SF, A | | | |
| SZ-14 | Cataract Cove | H | 59 42.7 | 149 50.2 | O | H | | R | WFc | | | SU | SRS |
| SZ-15 | Harris Bay Lagoon | H | 59 44.3 | 149 51.3 | | P, I, H | | I | WFn, SBf, EN | SF | | | M, SRS |
| SZ-16 | Otter Cove | H | 60 43.7 | 149 56.0 | S>10, O | P, H | | R | EN, SBf, SBn <1,000 | | | SU | SRSTF |
| SZ-17 | Taroka Arm | H | 59 37.2 | 150 08.8 | S>10, O | P, I, H | | R | WFc, SBn <1,000, EN | | | SU | SRS |
| SZ-18 | Thunder Bay | H | 59 34.7 | 150 11.2 | | P, I, H | | R | WFc, EN | | | | STF |
| SZ-19 | Delight Lake Stream/McCarty Lagoon | H | 59 32.5 | 150 20.4 | S, O | P, CO, S >10,000 I, H, K | | R | EN, WFc | SF, K, C | | SU | M |
| SZ-20 | Desire Creek | H | 59 34.9 | 150 17.8 | O, SL | P, CO, S, I, H, 5,000-30,000 Pink S.; >10,000 Sockeye S. | | R | | K, C, A | | SU | SRS |
| SZ-21 | Nuka East Arm Rookery | H | 59 38.1 | 150 18.8 | S>100, O | H | | R | WFc, N, SBn <1,000 | K, C, SF | | SU | |
| SZ-22 | James Lagoon | H | 59 34.5 | 150 24.4 | S>10,O | P, CO, S, I, H, <5,000 Pink S. | | R | EN, WFc, SBn <1,000 | K, C | | SU | SRSTF, M |
| SZ-23 | Palisade Lagoon | H | 59 31.4 | 150 28.8 | S>10, O | P, I, H | | R | WFc, EN, SBc | K, A | | SU | M, SRS |
| SZ-24 | Ariadne Cove | H | 59 28.5 | 150 30.8 | S, O | P, H | | R | WFc, SBf, EN | K, C | | SU | SRS |
| SZ-25 | Beautiful Isle | H | 59 30.6 | 150 33.9 | O | H | | R | SBn <1,000, WFc | | | SU | SRS |
| SZ-26 | Pilot Harbor | H | 59 34.8 | 150 30.1 | S>10, O | P, CH, I, H | | R | EN, WFc | A | | SU | M, SRS |
| SZ-27 | Nuka North Arm Spawning Streams | H | 59 35.9 | 150 31.1 | O | P, I, H | | R | WFc | | | SU | M, SRS, STF |
| SZ-28 | Beauty Bay | H | 59 31.6 | 150 38.2 | S>10, O | P, CH, I, H | | M | EN, WFc, SBf | A, K | | SU | M, SRS, STF |
| SZ-29 | Yalik Bay | H | 59 28.2 | 150 39.4 | O | P, I, H | | I | WFc, SBf | K, C | | SU | SRS, STF |
| | Nuka Pt. Rookery | | 59 18.1 | 150 41.7 | S>10, O | H | | | SBn <1,000 | | | SP, SU | |

Table G-1-3, cont. Site selection table for the Seward Geographic Response Zone.

| GRS # | Location | Priority | Lat. N | Lon. W | Marine Mammals | Fish | Subsistence | Cultural Resources | Birds | High Recreational Use | Commercial Fishing | Land Mgt. Special Designations | Coastal Habitat |
|-------|--------------------------------|----------|-----------|-----------|-------------------|------------------|-------------|-----------------------|-----------------|-----------------------------|-----------------------|--------------------------------------|-----------------|
| | Nuka Island Rookery | | 59 21.6 | 150 37.0 | O | H | | | SBn <1,000 | | | SP, SU | |
| | Nuka Island Spawning Stream | | 59 23.1 | 150 37.3 | O | P>5000, I, h | | | | | | SP, SU | SRS |
| | Nuka Pass Spawning Stream | | 59 25.3 | 150 39.2 | O | P>5000, I, H | | | | K | | SP, SU | |
| | Yalik Pt. Rookery | | 59 26.3 | 150 35.3 | O | H | | | SBn <1,000 | | | SU | SRS |
| | combined with #8 | | | | | | | | | | | SU | |
| | combined with #8 | | | | | H | | | | | | SU | |
| | Nuka North Arm Spawning Stream | | 59 35.7 | 150 33.1 | O | P, I, H | | | WFc | K | | SU | SRS |
| | Quartz Bay | | 59 31.0 | 150 31.7 | O | P, I, H | | | EN | K, A, C | | SU | M, SRS |
| | Harrington Pt. Rookery | | 59 27.4 | 150 30.4 | O | H | | | SBn <1,000 | | | SU | |
| | Wildcat Pass Rookery | | 59 23.0 | 150 23.8 | SL, O | H | | | SBn <1,000 | | | SU | |
| | Outer Island | | 59 20.7 | 150 25.0 | SL, O | H | | | SBn >5,000 | | | SU | |
| | Rabbit Island Rookery | | 59 22.7 | 150 22.0 | O | H | | | SBn <1,000 | | | SU | |
| | Rabbit Island Haulout | | 59 23.1 | 150 21.8 | SL, O | H | | | | | | SU | |
| | Hoof Pt. | | 59 24.8 | 150 17.2 | O | H | | | SBn 1,000-5,000 | | | SU | |
| | Morning Cove Rookery | | 59 27.6 | 150 17.1 | O | H | | | SBn <1,000 | | | SU | |
| | Steep Pt. | | 59 29.0 | 150 15.2 | O | H | | | SBn <1,000 | | | SU | |
| | Black Bay Rookery | | 59 30.2 | 150 14.0 | O | H | | | SBn <1,000 | | | SU | |
| | Black Mt . Rookery | | 59 32.4 | 150 10.5 | O | H | | | SBn <1,000 | | | SU | |
| | Thunder Bay Rookery | | 59 34.0 | 150 08.8 | S>10, O | H | | | SBn <1,000 | | | SU | |
| | Head of Paguna Arm | | 59 42.0 | 150 08.0 | O | P, I, H | | | | | | SU | SRS |
| | Paguna Arm Spawning Stream | | 59 40.6 | 150 06.4 | O | P, I, H | | | | | | SU | |
| | Surok Pt. Rookery | | 59 36.7 | 150 01.8 | O | H | | | SBn <1,000 | | | SU | |
| | Sandy Bay Spawning Stream | | 59 39.5 | 149 59.8 | O | P, I, H | | | | | | SU | |
| | Harris Bay Island Rookery | | 59 47 | 150 03 | S>10, O | H | | | SBn <1,000 | | | SU | SRS |
| | Harris Bay Rookery | | 59 47 | 150 03 | O | H | | | SBn <1,000 | | | SU | SRS |
| | Granite Isand Rookery | | 59 37.9 | 149 48.1 | S>10, O | H | | | SBn 1,000-5,000 | SF | | SU | |
| | Twin Islands | | 59 40.5 | 149 43.6 | S>10, O | H | | | SBn <1,000 | | | SU | |
| | Holgate Arm Rookery | | 59 48.1 | 149 46.2 | O | H | | | SBn <1,000 | | | SU | |
| | Holgate Arm Haulout | | 59 51.0 | 149 49.0 | S>10, O | H | | | | | | SU | SRS |
| | Slate Island Rookery | | 59 55.11 | 149 42.7 | S>10, O | H | | | SBn<1,000, EN | | | SU | SRS |
| | Squab Island | | 59 56.0 | 149 42.7 | S>10, O | H | | | SBn 1,000-5,000 | | | SU | SRS |
| | Frozen Rock | | 59 56.4 | 149 42.4 | S>10, O | H | | | SBn | | | SU | SRS |
| | Aialik Bay Spawning Stream | | 59 57.0 | 149 43.3 | S>10, O | P>5000, CH, I, H | | | | HC | | SU | SRS |
| | Aialik Bay Spawning Stream | | 59 56.1 | 149 40.6 | S>10, O | P>5000, I, H | | | | HC | | SU | |
| | Aialik Bay Spawning Stream | | 59 55.1 | 149 40.1 | S>10, O | P>5000, CH, I, H | | | | HC | | SU | |

Table G-1-3, cont. Site selection table for the Seward Geographic Response Zone.

| GRS # | Location | Priority | Lat. N | Lon. W | Marine Mammals | Fish | Subsistence | Cultural Resources | Birds | High Recreational Use | Commercial Fishing | Land Mgt. Special Designations | Coastal Habitat |
|-------|------------------------------------|----------|-----------|-----------|-------------------|--------------------------------|-------------|-----------------------|-----------------|-----------------------------|-----------------------|--------------------------------------|-----------------|
| | Aialik Bay Spawning Stream | | 59 53.7 | 149 39.0 | S>10, O | P>5000, CH, I, H | | | | | HC | SU | |
| | Aialik Peninsula Rookery | | 59 50.2 | 149 40.3 | O | H | | | SBn, EN | | | SU | SRS |
| | Aialik Peninsula Rookery | | 59 49.6 | 149 40.4 | O | H | | | SBn <1,000 | | | SU | SRS |
| | Harbor Island Rookery | | 59 39.9 | 149 38.9 | O | H | | | SBn <1,000 | SF | | SU | |
| | 16-21 Island Rookery | | 59 39.2 | 149 37.6 | O | H | | | SBn 1,000 | SF | | SU | |
| | Natoa Island Rookery | | 59 38.5 | 149 36.2 | O | H | | | SBn, EN >5,000 | SF | | SU | |
| | Beehive Island | | 59 37.1 | 149 36.7 | O | H | | | SBn >5,000 | SF | | SU | |
| | Chiswell Islands Rookery | | 59 36.6 | 149 36.1 | SL, O | H | | | SBn >5,000 | SF | | SU | |
| | Matushka Island Haulout | | 59 36.5 | 149 38.2 | SL, O | H | | | EN | SF | | SU | |
| | Matushka Island Rookery | | 59 36.6 | 149 37.4 | SL, O | H | | | SBn >5,000 | SF | | SU | |
| | Chiswell Island Rookery | | 59 36.0 | 149 34.0 | SL, O | H | | | SBn >5,000 | SF | | SU | |
| | Chiswell Islands Rookery | | 59 35.8 | 149 35.0 | O | H | | | SBn 1,000-5,000 | SF | | SU | |
| | Lone Rock | | 59 34.5 | 149 37.4 | O | H | | | SBn <1,000 | SF | | SU | |
| | Seal Rocks | | 59 34.5 | 149 37.4 | SL | H | | | SBn <1,000 | SF | | SU | |
| | Chat Island | | 59 42.0 | 149 33.7 | SL | H | | | EN, SBn <1,000 | SF | | SU | |
| | No Name Island | | 59 43.1 | 149 30.5 | O | H | | | SBn <1,000 | SF | | SU | |
| | Pilot Rock | | 59 44.5 | 149 28.0 | O | H | | | SBn <1,000 | SF | | SU | |
| | Aialik Penn. Rookery | | 59 43.5 | 149 31.4 | O | H | | | SBn | SF | | SU | |
| | Pony Cove | | 59 45.1 | 149 33.4 | S>10, O | H | | | SBn <1,000 | SF | | SU | |
| | Cheval Island Rookery | | 59 47.1 | 149 30.9 | S>10, O | H | | | SBn <1,000 | SF | | SU | |
| | Bear Glacier Haulout | | 59 55.0 | 149 31.3 | S>10, O | H | | | | SF | | SU | |
| | Callisto Head | | 59 55.1 | 149 31.3 | O | H | | | SBn <1,000 | SF | | SU | |
| | Cains Head | | 59 58.9 | 149 23.6 | S>10, O | H | | | EN, SBn <1,000 | SF | HC | SU | |
| | Seward Harbor | | 60 06.8 | 149 25.5 | O | H | | | | SF | | SU | |
| | Resurrection River | | 60 07.1 | 149 23.9 | O | P, CH, CO, CH, S, DV, AC, I, H | | | EN | SF | | SU | M, ETF |
| | Resurrection Bay Spawning Stream | | 60 07.0 | 149 22.2 | O | P, CH, I, H | | | EN | SF | | SU | ETF |
| | Seward Ship's Chandlery / CIP Dock | | 60 05.4 | 149 21.9 | O | H | | | | SF | | SU | |
| | Sandspit Point SMP | | 59 56.2 | 149 18.5 | O | H | | | En | SF | | SMP, SU | |
| | Sunny Cove SMP | | 59 54.1 | 149 20.3 | O | H | | | | SF | | SMP, SU | |
| | Hive Island | | 59 53.4 | 149 22.7 | S>10, O, SL | H | | | SBn <1,000 | SF | | SU | |
| | Rugged Island Rookery | | 59 52.1 | 149 24.3 | O | H | | | SBn <1,000 | SF | | SU | |
| | Cape Resurection | | 59 52.4 | 149 16.1 | O | H | | | SBn >5,000 | SF | | SU | |
| | Barwell Island | | 59 51.6 | 149 16.9 | O | H | | | SBn >5,000 | SF | | SU | |
| | Driftwood bay | | 59 55.5 | 149 15.1 | O | H | | | C, SF | | | | |

Table G-1-3, cont. Site selection table for the Seward Geographic Response Zone.

| GRS # | Location | Priority | Lat. N | Lon. W | Marine Mammals | Fish | Subsistence | Cultural Resources | Birds | High Recreational Use | Commercial Fishing | Land Mgt. Special Designations | Coastal Habitat |
|--------------|-------------------------------|-----------------|-------------------|-------------------|---------------------------|-------------|--------------------|-------------------------------|--------------|--------------------------------------|-------------------------------|---|------------------------|
| | Safety Cove SMP | | 59 59.0 | 149 13.1 | O | H | | | | C | | SMP | SRS |
| | Day Harbor NW Stream | | 60 02.6 | 149 07.4 | | H | | | | | | | |
| | Head of Day Harbor-West | | 60 03.1 | 149 03.9 | | H | | | | | | | |
| | Head of Day Harbor-East | | 60 02.4 | 149 02.5 | | H | | | | | | | |
| | Horsehead Bay Spawning Stream | | 59 57.9 | 149 02.0 | O | P, CH, I, H | | | | | | | |
| | Widby Bay Spawning Stream | | 59 58.2 | 148 57.0 | O | P, I, H | | | N | | | | |
| | Cape Fairfield Rookery | | 59 55.5 | 148 51.0 | SL, O | H | | | SBn <1,000 | SF | | | |
| | Cape Junken Rookery | | 59 55.1 | 148 37.7 | O | H | | | SBn | SF | | | |
| | Head of Puget Bay | | 60 01.4 | 148 30 0 | O | P, S, I, H | | | | SF | | | |
| | Cape Puget Rookery | | 59 56.6 | 148 26.7 | O | H | | | | SF | | | |
| | Head of McCarty Fjord | | 59 43.1 | 150 14.0 | S | H | | | | | | | |
| | Eldorado Narrow | | 59 55.5 | 149 18.6 | | H | | | | | A | | |
| | Paradise Cove | | 59 45.4 | 149 35.4 | | H | | | | | A | | |

E. SOUTHEAST COOK INLET RESPONSE ZONE

to be developed

F. SOUTHWEST COOK INLET RESPONSE ZONE

to be developed

G. WHITTIER RESPONSE ZONE

to be developed

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